

PATTERNS IN PROBABILITY

2011-13 Extended Math Task Background

Purpose

This task was done at the end of the two year in the run up to our school's "Summative Assessment Week" (SAW) as part of the revision and consolidation of the two year's work in the lead up to diploma.

Date

The students were given the task on May 31, 2013 in the lead up to SAW. Students were given a single lesson (period 5) in which to complete the task, but as this was somewhat shorter than the 60 minutes given last year for the same task and because it was followed by lunch, the teachers agreed students would be allowed a few extra minutes going into lunch if they wished.

Assessment Creation

This is an assessment which was used and moderated last year. We felt last year that many students struggled to find the pattern last year because they assumed $a=b$ and therefore did not see the pattern. Because of this, we strengthened the note at the start of the assessment clarifying that a should not equal b . Feel free to compare between last year's assessment and this year's assessment on the moderation wiki.

Assessment Conditions

The assessment was given under formal exam conditions. Students were allowed a GDC (Casio fx-9860GII SD) which was cleared before the exam in the same way the DP students' calculators are cleared. The first 5 minutes were given to reading the exam and clarifying any questions students had on the questions or the rubric.

Standardization

Standardization was conducted on Friday after the exam. EL, KS, & WW were on the standardization team. The same assessment had been run last year and EL had been on that team as well.

Units of Work

As this was part of revision leading up to SAW, there was not a specific unit of work associated with this assessment. As a result, we are including both the “Sequences & Series” unit planner and the “Probability” unit planner.